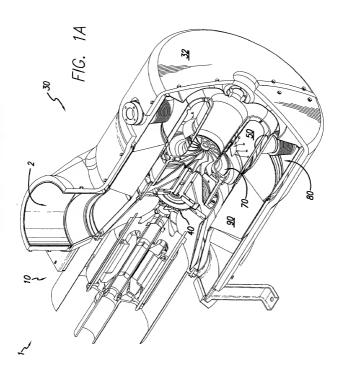
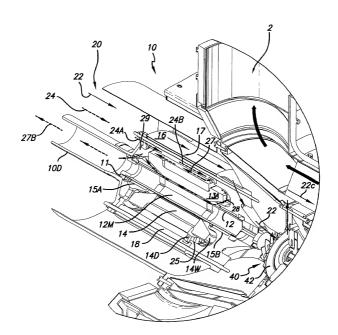
OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 1_ OF 14_

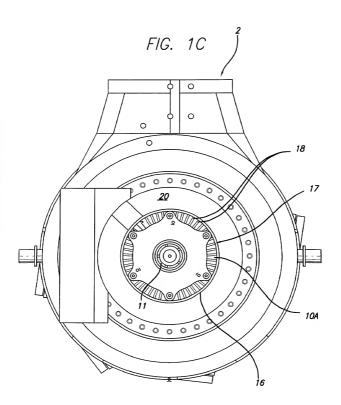


OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 2 OF 14

FIG. 1B

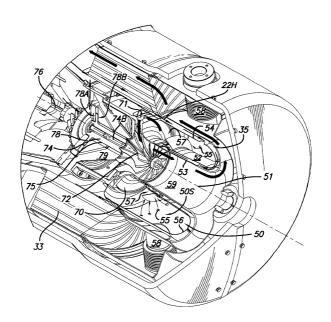


OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 3_OF 14_

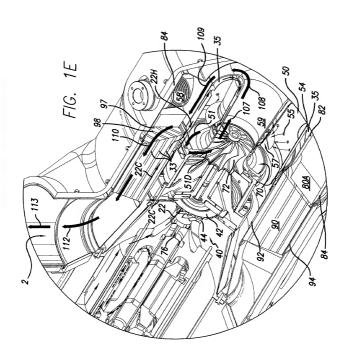


OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 4 OF 14

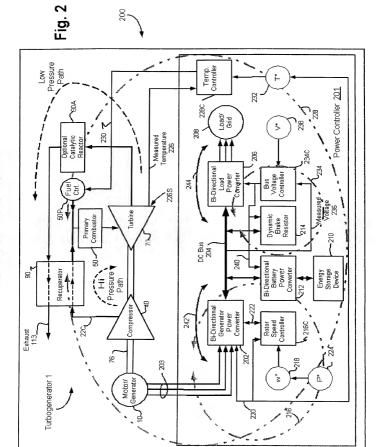
FIG. 1D



OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET <u>5</u> OF <u>14</u>



OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 6 OF 14



OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 7_ OF 14_

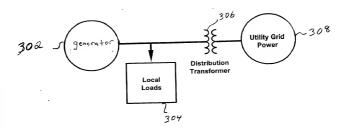


Figure 3

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 8 OF 14

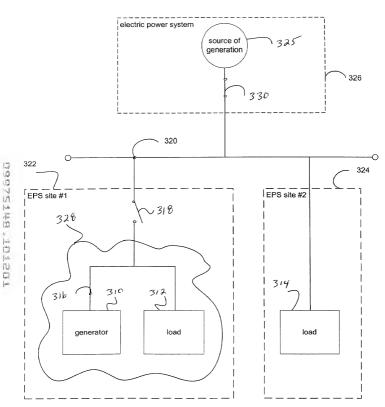


FIGURE 4

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 9 OF 14

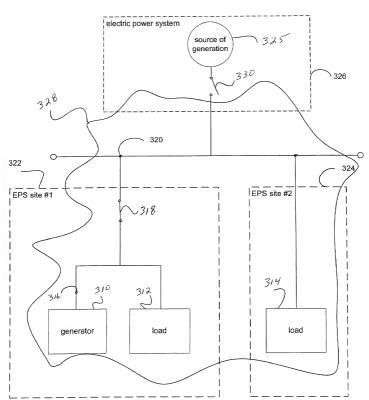
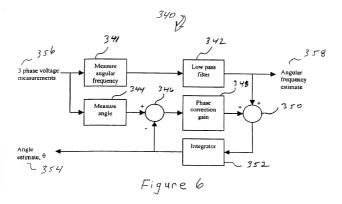
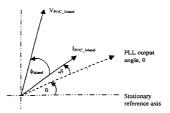


FIGURE 5

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 10 OF 14





IPOC_Island
VPOC_Island
ZIsland

\$\Politime{P}_{DRG}\$

QDRG

δ

Islanded DR generator current magnitude at the POC (A)

Islanded voltage magnitude at the POC (V)
Impedance magnitude of the island looking into the POC (Ω)

Impedance phase-angle of the island looking into the POC (radians)

Demanded real power output of the DR generator (W)

Demanded reactive power output of the DR generator (lagging is positive) (VAr)

Angle output from the PLL (radians)

Demanded current phase angle, $\delta = \tan^{-1}(Q_{DRG}/P_{DRG})$ (radians)

Figure 7

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 11 OF 14

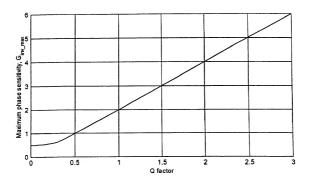


Figure 8

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 12 OF 14

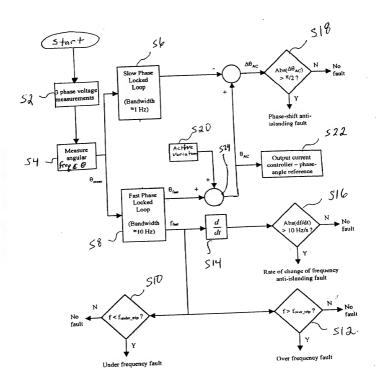


Figure 9A

OBLON, SPIVAK, ET AL DOCKET #: 213114US-22 INV: Simon R. WALL SHEET 13_OF_14_

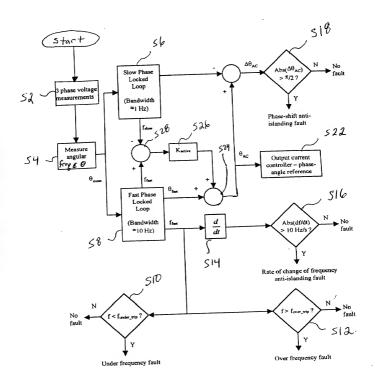


Figure 9B

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Figure 10